

NN	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	RRRRRRRR RR	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
	\$			

INDIRECT Table of contents	- INDIRECT FILE MANIPULATION ROUTINES	15-SEP-1984 23:55:59	VAX/VMS Macro V04-00
(2) 147 (3) 272 (4) 308 (5) 512 (6) 578 (7) 769 (8) 805	STACK INDIRECT FILE DEFINE SYMBOLS P1-P8 PUSH PROCEDURE ONTO INDIRECT STACK UNSTACK INDIRECT FILE SPECIFICATION UNSTACK NEXT INDIRECT FILE SAVE VERIFICATION STATE RESTORE VERIFICATION STATE		

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18901223456789012335537

.TITLE INDIRECT - INDIRECT FILE MANIPULATION ROUTINES

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D. N. CUTLER 2-MAY-77

INDIRECT FILE MANIPULATION ROUTINES

MODIFIED BY:

V03-016 HWS0100 Harold Schultz 06-AUG-1984
Open any new indirect frame with Carriagecontrol attributes.

When closing the current indirect frame and unstacking the previous frame, set NAM block to not use the RSA and ESA fields left by the indirect frame just closed. Using these values cause the free dynamic memory list to become corrupted. Add support for execute-only command procedures.

V03-014 HWS0080 Harold Schultz 12-Jul-1984
When allocating room in symbol table for resultant
name string, don't use constant of 256; use the value
of NAM\$C_MAXRSS+1 rounded up to a long word boundry
instead. Remove the ASSUME of NAM\$C_MAXRSS. Bypass
deallocation of unused buffer if none to deallocate.

V03-013 HyS0066 Harold Schultz 21-May-1984
Correct the error handling when a SYMOVF error is encountered while setting up the new indirect level. Reenable password masking after opening an indirect input file.

V03-012 HWS0015 Harold Schultz 21-Feb-1984

1

```
Check status after $FIND.
Initialize file spec. size fields in NAM block before reusing.
Deassign SYS$INPUT prior to reopening a file at a prior indirect
         58
59
                                level.
                      V03-011 PCG0013
                                                                      12-Jan-1984
                                                   Peter George
                                fix broken branch.
                      V03-010 PCG0012
                                PCG0012 Peter George 17-Aug
Correctly clear RMS F$SEARCH context.
                                                                      17-Aug-1983
                                Manage concealed logical name attribute using the new services.
                      V03-009 PCG0011
                                                   Peter George
                                                                      27-May-1983
                                Fix bug in unstacking when restored command procedure
                                is already positioned to EOF.
                      V03-009 PCG0011
                                                                      27-May-1983
                                                   Peter George
                                Fix bug in file name saving logic.
                                Fix bugs in SYS$OUTPUT processing.
                      V03-008 KRM0099
                                                   Karl Malik
                                                                      29-Apr-1983
                                Disable password masking for network.
                      V03-007 PCG0010
                                                   Peter George
                                                                       10-Apr-1983
                                Finish making remote open work.
                               PCG0009 Peter George
Add DCL$DEFINE_P1_T0_P8.
Clear FAB$M_SQ0_bit.
                      V03-006 PCG0009
                                                                      22-Feb-1983
                                Clear FAB$V_NAM and FAB$W_IFI when performing
                                remote reopen.
                      V03-005 PCG0008
                                                   Peter George
                                                                      28-Jan-1983
                                Remove reference to ONEXIT bit.
                      V03-004 PCG0007
                                                                      13-Jan-1983
                                                   Peter George
                                Call SYS$OUTPUT routines.
                                Save name of command procedure.
Use saved file name spec to reopen command procedures
                                on remote nodes.
                      V03-003 PCG0006
                                                   Peter George
                                                                      30-Dec-1982
                                Clear PRC_V_ONEXIT when unstacking.
        102
103
104
105
106
107
                      V03-002 PCG0005
                                                   Peter George
                                                                      28-0ct-1982
                                Fix CLRBIT typo.
                      V03-001 PCG0004
                                                                      15-Jul-1982
                                                   Peter George
                                Allow execute-only command procedures.
        108
109
110
111
112
113
114
               MACRO LIBRARY CALLS
                      PRCDEF
                                                             :DEFINE PROCESS WORK AREA
                      WRKDEF
                                                             DEFINE COMMAND WORK AREA
```

INDIR	ECT								- 1	NDIRECT	FILE	MAI	IIPUL	ATION I	ROUT	N 14 INES	15-SEP 4-SEP	-1984 -1984	23	:55:59 :41:10	9	VAX/V EDCL.	MS M	acro INDI	VO4-	-00 MAR;1		Page	(1)
							00	000	008	0000 0000 0000 0000 0000 0000 0000 0000 0000	115 116 117 118 120 121 122 123 124 127 128 133 133 133 133 135	SYI	1BOLS	PTRDEI IDFDEI PRDDEI SYMDEI SCLIM SCLIM SFABDI SRABDI SRABDI SNAMDI SPSLDI SYMBOI	GDE F F F F	•					INE INE INE INE INE INE INE	TYPE ERRO DEVI FAB LOG NAM PROC	S OF S OF OF F SI OF F SI OF F SI ESSOI	SYM ATUS HARA ETS ETS ETS ETS	BOLS VALU CTERI	FIELDS	ITS		
53 53			52	49 50	24 24	53 4D	59 4E	53	2E 4F 00'09'	0014	142	LNA	I\$PRO	. ASCII : ASCII UT NAME . ASCII CESS: . ASCII	. /	CL\$ZCODO COM/ OUTPUT/ SYS\$INPO LNM\$PROO _NLAO:/	UT/ CESS/	RD, NOV	WRT	: INF	ST (OF NA AL NA SS LO	ME AM ME FO	ND TI	HE QU				

```
.SBTTL STACK INDIRECT FILE
148 :+
149 : DCL$STACKIND - STACK INDIRECT FILE
150 : THIS ROUTINE IS CALLED TO STACK THE CURRENT INDIRECT FILE LEVEL AND TO PARSE
152 : AND OPEN THE NEXT INDIRECT FILE.
27 153 :
```

INPUTS:

154 155

156 157

158 159

160 161

172

IT IS ASSUMED THAT THE INDIRECT FILE PROCESSING FLAG IS SET.

OUTPUTS:

THE CURRENT INDIRECT FILE SPECIFICATION IS SAVED ON THE INDIRECT FILE STACK AND THE NEXT INDIRECT FILE IS PROCESSED.

RO LOW BIT CLEAR INDICATES INDIRECT FILE PROCESSING FAILURE.

RO = DCLS_ATLAST - INDIRECT FILE SPECIFICATION NOT LAST ITEM ON COMMAND LINE.

RO = DCL\$ DEFOVF - ATTEMPT TO DEFINE MORE THAN EIGHT PARAMETERS.
RO = DCL\$ STKOVF - INDIRECT FILE INTERNAL STACK OVERFLOW.

RO LOW BIT SET INDICATES SUCCESSFUL COMPLETION.

RO = DCLS_NORMAL - NORMAL COMPLETION.

```
DCL$STACKIND::
                         30
9E
04
07
30
                                                         BSBW
                                                                     SETIND
                                         177
       5E
                                                          MOVAB
                                                                     -<SYMBOLS*8>(SP),SP
                                         178
                                                                     -(SP)
                                                          CLRL
                                                                     WRK L CHARPTR(R10)
DCLSMARK
          F48E CA
                                                          DECL
                                         180 10$:
181
                                                          BSBW
           53
                         9A
30
E9
30
91
12
30
                                                                     #PTR K PARAMETR, R3
DCL$PROCFILE
                                                          MOVZBL
                                         182
183
                                                          BSBW
              3C 50
                                                                     RO,15$
                                                          BLBC
                                         184
185
                                                                     DCL$SETCHAR
               FFBD'
                                                          BSBW
                                                          CMPB
                                                                     #^A\/\,RO
                                         186
                                                                     20$
                                                          BNEQ
                                                          BSBW
                                                                     DCL$MOVTOKN
                                         188
189
                         D1
19
           04
                                                          CMPL
                                                                     R1.#4
                                                                     13$
                                                          BLSS
                  04
50
51
                         DO
                                         190
191
192
193
194
195
           51
                                                          MOVL
                                                                     #4,R1
                         DD
29
13
                                              13$:
                                                          PUSHL
                                                                     R1 (R2) , OUTQUAL
           62
                                                          CMPC
AA AF
                  0C
50
                                                          BEQL
                      8EDO
                                                          POPL
                                                                     RO
                                                          STATUS
                                                                     IVQUAL
                                         196
197 14$:
                                                                     15$
                                                          BRB
                  50
30
                      8EDO
                                                          POPL
                         91
13
91
13
                                                                     #^A/=/,RO
                                                          CMPB
           50
                  C4
                                         199
                                                          BEQL
                                         200
201
202
203 15$:
           50
                                                          CMPB
                                                                     #^A/:/,RO
                                                                     10$
                  BF
                                                          BEQL
                                                          STATUS
                                                                     IVVALU
               007D
                         31
                                                          BRW
```

STACK INDIRECT FILE SET INDIRECT PROCESSING UP ALLOCATE SPACE FOR SYMBOL DESCRIPTO BACK UP TO AT SIGN MARK CURRENT PARSE POSITION SET TOKEN CONTEXT FOR FILESPEC PROCESS FILE SPECIFICATION PEEK AT NEXT CHARACTER IN INPUT BUF :SLASH? IF NEQ NO MOVE TERMINATOR AND GET NEXT TOKEN MORE THAN MAX MATCH NAME BR IF NO ONLY CHECK FOR 4 CHARS CHECK FOR VALID QUAL BR IF OK RESTORE TERMINATION CHARACTER RESTORE TERMINATION CHARACTER EQUAL SIGN TERMINATOR? IF EQL YES COLON TERMINATOR?

IF EQL YES

SET INVALID VALUE SYNTAX

```
; FILE SPECIFICATIONS PARSED - PARSE SYMBOL DEFINITIONS
                            007F
                            007F
                                         : IF THE FILESPEC WAS FOLLOWED BY A SPACE, THAT SPACE MAY HAVE BEEN THROWN : AWAY IF THE FIRST CHARACTER IN P1 MAKES IT INSIGNIFICANT.
                            007F
                            007F
                           007F
0083
0086
0089
                      9E
30
30
80
E0
                                          20$:
      58
                                                              4(SP), R8
                                                    MOVAB
                                                                                                       GET ADDRESS OF SYMBOL DESCRIPTOR ST
                                                    BSBW
                                                              DCL$SETNBLK
                                                                                                       : IGNORE BLANKS AFTER FILESPEC
                                         30$:
                                                    BSBW
                                                              DCL SMARK
                                                                                                       MARK POSITION OF FIRST NON-BLANK
                                         40$:
                                                    BSBW
                                                              DCL SMOVCHAR
                                                                                                       COPY A CHARACTER FROM INPUT BUUFER
                            0080
                                                              WWRK V QUOTE, -
WRK W FLAGS (R10), 40$
                                                    BBS
                                                                                                       :LOOP IF IN A QUOTED STRING
                           008E
0091
0093
0096
        F8 FO AA
                      13
91
12
30
7
13
91
                                                    BEQL
                                                                                                       :BR IF END OF LINE
                                                              #^A' ',RO
                                                                                                      IS THIS A TERMINATOR
          50
                                                    CMPB
                                                              40$
                                                    BNEQ
                                                                                                       BR IF NO - KEEP LOOKING FOR TERMINA
             FF65'
                            0098
                                         45$:
                                                    BSBW
                                                                                                       GET DESCRIPTOR OF PARAMETER
                                                              DCL$MARKEDTOKEN
                            009B
                                                    DECL
                                                                                                       REMOVE COUNT FOR TERMINATOR
                           009D
                                                    BEQL
                                                                                                       : IF NULL STRING - NO MORE SYMBOLS
                                                              60$
                                                                                                      SYMBOL START WITH A QUOTE
                                                              #^A/"/, (R2)
                           009F
          62
                                                    CMPB
                      12
30
7D
F3
                                                                                                      : IF NO - LEAVE THE SYMBOL ALONE :ELSE REMOVE THE QUOTE PAIRS
                           00A2
                                                    BNEQ
                                                              50$
                59'
                           00A4
                                                    BSBW
                                                              DCL$COMPRESS
                            00A7
                                         50$:
                                                                                                       STORE SYMBOL DESCRIPTOR
                                                    MOVQ
                                                              R1.(R8)+
      D8 6E
                08
                            OOAA
                                                    AOBLEQ
                                                              #SYMBOLS, (SP), 30$
                                                                                                       ANY MORE SYMBOL DEFINITIONS ALLOWED
                            OOAE
                                                    STATUS
                                                                                                      :SET SYMBOL DEFINITION OVERFLOW
                                                              DEFOVE
                      11
                            00B5
                45
                                                    BRB
                                                              80$
                            00B7
                            00B7
                            00B7
                                            RUN DOWN ANY IMAGE CURRENTLY RUNNING
                            00B7
                           00B7
00BA
00BD
00C2
00C6
00CA
                                         60$:
                                                              WRK L_RSLNXT(R10)
                                                                                                       : SAVE POINTER INTO WRK AREA
                      D03300000
                                                    PUSHL
                                                              DCL SRUNDOWN
                                                    BSBW
                                                                                                       RUN DOWN IMAGE AND INDIRECT LEVELS
      BA
68
60
70
74
                                                              (SP)+, WRK_L_RSLNXT(R10), RO
RO, << SYMBOL5 *8>+4+<9*4>> (SP)
50
                8E
50
50
50
                                                    SUBL 3
                                                                                                       CALCULATE LENGTH OF STACK SHIFT
         AE
AE
AE
                                                                                                      RELOCATE SAVED WRK_L_RSLNXT
RELOCATE SAVED WRK_L_RSLEND
RELOCATE SAVED WRK_L_EXPANDPTR
RELOCATE SAVED WRK_L_MARKPTR
                                                    ADDL
                                    RO, <<SYMBOLS*8>+4+<10*4>>(SP)
                                                    ADDL
                                                              RO, <<SYMBOLS*8>+4+<11*4>>(SP)
                                                    ADDL
                                                    ADDL
                                                              RO, <<SYMBOLS*8>+4+<12*4>>(SP)
                            00D2
                            00DZ
                            00D2
                                           STACK COMMAND PROCEDURE
                            00D2
                           00DZ
            68 AE
                      DO
                                                    MOVL
                                                              <<SYMBOLS*8>+4+<9*4>>(SP),-
                                                                                                       RETRIEVE ADDRESS OF DESCRIPTORS
            BA AA
                            00D5
                                                             WRK L RSLNXT(R10)
DCLSGETDVAL
                      30
70
                           00D7
             FF26'
                                                    BSBW
                                                                                                       GET INPUT FILE DESCRIPTOR VALUES
                                                                                                       SAVE INPUT FILESPEC
                                                    MOVQ
                                                              R1,-(SP)
                            OODD
                      043977D439
                                                                                                       :ASSUME NO OUTPUT FILESPEC
                                                    CLRL
                           00DF
00E2
00E5
00E8
                                                    BSBW
                                                              DCLSGETDVAL
                                                                                                       GET OUTPUT FILESPEC
                                                                                                      IF NONE, PASS IN NULL FILESPEC
            03
                                                    BLBC
                                                              RO.65$
                                                    MOVQ
                                                              R1,R4
                                         65$:
                                                                                                       SET INPUT FILESPEC ARGUMENT
                                                    MOVQ
                                                              (SP)+,R2
                                                                                                       SIGNAL ALL RMS ERRORS
                                                    CLRL
                            00ED
00F 0
00F 3
                                                              DCL $PUSHPROC
              0049
                                                                                                      : PUSH PROCEDURE ONTO INDIRECT STACK
                                                    BSBW
            09 50
                                                                                                      BRANCH IF ERROR DETECTED
                                                    BLBC
                                                              RO,80$
                                            CREATE SYMBOLS P1-P8
```

INDIRECT V04-000			;	INI	IRECT (INDI	FILE	MANIPUL FILE	ATION	ROUTINES	15-SEP-1984 4-SEP-1984	23:55:59	VAX/VMS Macro V04-00 [DCL.SRC]INDIRECT.MAR;1	Page 6 (2)
	58 5	604 6	E	D0 9E 10	00F3 00F6 00FA 00FC	261 262 263 264		MOVL MOVAB BSBB	(SP),R6 4(SP),R DCL\$DEF	8 INE_P1_T0_P8		GET NUMBER OF SYMBOL I GET ADDRESS OF VALUE I DEFINE P1 THROUGH P8	DEFINITIONS DESCRIPTORS
	5E	44 A 024	EOA	9E 0D 31	00FC 00FC 00FC 00FC 0100 0102	261 263 2645 2667 2667 2669 270	RESTO 805:	MOVAB PUSHL BRW		PREPARE TO E		DEALLOCATE SYMBOL DESC	CRIPTOR STORAG

7E

55

8E

```
- INDIRECT FILE MANIPULATION ROUTINES
DEFINE SYMBOLS P1-P8
                                                                                                                                                                                                                                                               15-SEP-1984 23:55:59 VAX/VMS Macro V04-00
4-SEP-1984 23:41:10 [DCL.SRC]INDIRECT.MAR;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (3)
                                                                                                          2773 : + DCL
2775 : THI
2776 : THI
2776 : THI
2777 : INF
2780 : OUT
2780 : OU
                                                                                                                                                                          .SBTTL DEFINE SYMBOLS P1-P8
                                                                                                                                        DCLSDEFINE_P1_TO_P8 - DEFINE SYMBOLS P1-P8
                                                                                                                                           THIS ROUTINE IS CALLED TO DEFINE THE LOCAL SYMBOLS P1-P8.
                                                                                                                                           INPUTS:
                                                                                                                                                                        R6 = NUMBER OF SYMBOLS THAT HAVE ASSIGNED VALUES R8 = ADDRESS OF LIST OF Pn VALUE DESCRIPTORS
                                                                                                                                         OUTPUTS:
                                                                                                                                                                       R1-R8 TRASHED
                                                                                                                            DCL$DEFINE P1 TO P8::

MOVZWE #^A/PO/,-(SP)

MOVL #SYMBOLS,R7
 3050 8F
57 08
                                                                                                                                                                                                                                                                                                                                                                                   CREATE PROTOTYPE OF GENERATED SYMBO
                                                                                                                                                                                                                                                                                                                                                                                    SET NUMBER OF SYMBOLS TO GENERATE
                                                   010D
                                                                                                                                                                         CLRL
                                                                                                                                                                                                                                                                                                                                                                                    :ASSUME NO MORE SYMBOLS DEFINED
                                                                                                                                                                        DECL
BLSS
MOVQ
                                                                        010F
                                                                                                                                                                                                                R6
20$
(R8)+,R1
                                                                                                                                                                                                                                                                                                                                                                                    ARE THERE ANY MORE TO DEFINE
                                                                                                                                                                                                                                                                                                                                                                                  :BR IF NO - DEFINE AS NULL STRING
:GET VALUE DESCRIPTOR
:INCREMENT SYMBOL NUMBER
  51
      AE
02
6E
38 AB
00
FED7'
0A 50
DE 57
                                                                                                                                                                                                             (R8)+,R1
1(SP)
#2,R3
(SP),R4
PRC Q LOCAL(R11),R5
#SYM K STRING,R0
DCL$ĀLCOCSYM
R0,90$
R7,10$
NORMAL
(SP)+
                                                                                                                                                                          INCB
                                                                                                                                                                                                                                                                                                                                                                                 ; INCREMENT SYMBOL NUMBER
; SET LENGTH OF SYMBOL NAME
; SET ADDRESS OF SYMBOL NAME
; GET ADDRESS OF LOCAL SYMBOL TABLE L
; SET SYMBOL TYPE IS STRING
; ALLOCATE AND INSERT SYMBOL TABLE EN
; IF LBC ALLOCATION FAILURE
; ANY MORE SYMBOL TO PROCESS?
; SET NORMAL COMPLETION STATUS
: RESTORE THE STACK
                                                                                                                                                                         MOVL
                                                                                                                                                                         MOVAB
                                                                       011F
0123
0126
0129
012C
012F
0136
0138
                                                                                                                                                                         MOVAB
50
                                                                                                                                                                         MOVL
                                                                                                                                                                        BSBW
                                                                                                                                                                        BLBC
```

RESTORE THE STACK

: RETURN

SOBGTR STATUS

(SP)+

TSTL

RSB

13FE 8F 00A0 CB

80

13FE 8F

00000100 8F

59

00A0 CB 56 00BC

OOBC

FE9D'

5C AB

AB 58 CB 568

018A

E5

56

51

58 CB

CB A6 58 OC

PRC_L_INDEPTH(R11)
PRC_L_INDCLOCK(R11)
R8.PRC_L_STACKPT(R11)
PRC_L_IDFLNK(R11),R6
R6.IDF_L_LNK(R8)
IDF_L_ENK(R8), PRC_L_IDFLNK(R11) MOVL MOVL MOVL MOVAL

R6 = Pointer to current stack frame

		0184	345 . 09 - 1	Dainten	** *** ****	
		018A 018A	366 : " - '		to new stack frame	
10 A6 38 18 A6 30 06 A6 66 08 A6 66	B AB 7	0 018A D 018E	365 ; R8 = 1 366 ; 367 368 369 370	MOVL	PRC_L_INDFAB(R11),AP PRC_Q_LOCAL(R11),IDF_Q_I	;GET ADDRESS OF INDIRECT FAB LOCAL(R6) :SAVE LOCAL SYMBOL TABLE LISTHEAD
10 A6 38 18 A6 30 06 A6 66 08 A6 66	AB R	D 018E D 0193 O 0198	369 370	MOVQ	PRC Q LABEL (R11) IDF Q	LABEL (R6) ; SAVE LABEL SYMBOL TABLE LISTHEAD
08 A6 60	AB D	0 0190	371	MOVL	PRC_L_ONERROR(R11), IDF_	LONERROR (R6) : SAVE ON ERROR COMMAND TEXT
60	50 D	0 01A6	373	MOVAB	RO, (RO)	SET ADDRESS OF LISTHEAD AS FORWARD LINK
50 80	80 D	0 01A9 E 01AC	374 375	MOVAB	(RO)+,(RO)+ PRC Q LABEL(R11),RO	LOCAL (R6) ; SAVE LOCAL SYMBOL TABLE LISTHEAD LABEL (R6) ; SAVE LABEL SYMBOL TABLE LISTHEAD WONLEVEL (R6) ; SAVE ON ERROR LEVEL NUMBER LONERROR (R6) ; SAVE ON ERROR COMMAND TEXT ; GET ADDRESS OF LOCAL TABLE LISTHEAD ; SET ADDRESS OF LISTHEAD AS FORWARD LINK ; SET ADDRESS OF LISTHEAD AS BACKWARD LINK ; GET ADDRESS OF LABEL TABLE LISTHEAD ; SET ADDRESS OF LABEL TABLE LISTHEAD ; SET ADDRESS OF LISTHEAD AS FORWARD LINK
60 80	50 D	0 01B0 0 01B3	376 377	MOVL	RO, (RO)+	SET ADDRESS OF LISTHEAD AS FORWARD LINK
60	AB D	4 0186 0 0189	378 378	CLRL	PRC L ONERROR (R11)	SET ADDRESS OF LISTHEAD AS FORWARD LINK SET ADDRESS OF LISTHEAD AS BACKWARD LINK GET ADDRESS OF LABEL TABLE LISTHEAD SET ADDRESS OF LISTHEAD AS FORWARD LINK SET ADDRESS OF LISTHEAD AS BACKWARD LINK CLEAR ADDRESS OF ON ERROR COMMAND TEXT SET SET ON ERROR LEVEL TO ERROR
6A AB 0202 60 A6 00B8	AB 77 AB 78 AB 79	0 01BF	380	MOVL	PRC_L_ONCTEY(R11), IDF_L	ONCTLY(R6) : SAVE ON CONTROL Y COMMAND ; BR IF THERE WAS NONE
00B8 CB 0000	o'cf 9	3 01C5 E 01C7	381 382	MOVAB	W^DCLST_DEFONTXT,PRC_L_(;BR IF THERE WAS NONE ONCTLY(R11) :SET DEFUALT FOR NEXT LEVEL
5E A8	01 B	0 01CE 01D2	383 5\$: 384	MOVW	#1aldf_V_INPOPN, IDF_W_F	LAG(R8) ; SET INPUT FILE OPEN FLAG
64	4 A8 D	4 01D2 01D5	385	CLRL	IDF_L_SEARCHCTX(R8)	ONCTLY(R11) ; SET DEFUALT FOR NEXT LEVEL LAG(R8) ; SET INPUT FILE OPEN FLAG ; ASSUME FILE IS OPENED LOCALLY ; INITIALIZE F\$SEARCH CONTEXT LIST
		0105	378 379 380 381 382 383 5\$: 384 385 386 387; CLOSE	******		
		01D5 01D5	389 : POSIT	ION IN T	HE FILE, SO THAT ON RETU	CT LEVEL AND REMEMBER THE CURRENT RN, WE CAN RESET THE POSITION.
52 14 08 AB	AB D	01D5 0 01D5	389 : POSITI 390 : 391	MOVL	PRC_L_INDINPRAB(R11),R2	;SET CURRENT INDIRECT RAB POINTER
08 AB	AB D 52 D 31 1 1C E 01 A	1 01D9 3 01DD	392 393 394	CMPL BEQL	R2,PRC_L_INPRAB(R11)	:IS THIS THE PRIMARY INPUT STREAM?
1E 18 A2 58 A6	1C E	1 01DF E 01E4	394 395	BBC MNEGW	#DEV\$V_RND, RAB\$L_CTX(R2)),6\$;SKIP IF NOT A DISK FILE
0000'8F		01E8	396 397	SFIND CMPW	RAB=(RZ)	;SET CURRENT INDIRECT RAB POINTER ;IS THIS THE PRIMARY INPUT STREAM? ;BR IF YES-THAT NEVER GETS CLOSED),6\$;SKIP IF NOT A DISK FILE ;ASSUME END OF FILE ;GET THE CURRENT RECORD POSITION (IT ;MAY HAVE BEEN ADVANCED BY AN INDIRECT ;ACCESSOR SINCE OUR LAST \$GET). RFA(R6);SAVE RECORD POSITION IN FILE
	50 B 0A 1 0A2 D A2 B A6 B	3 01F6	398	BEQL	6\$	ACCESSOR SINCE OUR LAST SGET).
58 A6 10 5C A6 14 02 AC 04	AZ B	0 01FB	399 400	MOVL	HUDDAM - HILL A LINE LATEL - M - TI	M M A TINO
02 AC 04	A6 B		401 6 \$:	SCLOSE	IDF_W_INPIFI(R6),FAB\$W_! FAB=(AP)	IFI(AP) ; SET INTERNAL FILE IDENTIFICATION
		0210	403			
		0210	406 .	NPUT PR	OCEDURE FILE	
04	AB B	4 0210	407 75:	CLRW	IDF W_INPIFI(R8) FAB\$W_IFI(AP)	CLEAR INPUT FILE INTERNAL INDEX
51 04		0216	409			
34 AC	AE 7 51 9 52 0 04 9 5 CF 9	0 021A	411	MOVQ MOVB	A(SP),R1 R1,FAB\$B_FNS(AP)	GET INPUT FILESPEC (R2/R3 ON ENTRY)
2C AC	04 9	0 0555	412 413	MOVL	R2, FAB\$L_FNA(AP) #4, FAB\$B_DNS(AP)	SET ADDRESS OF FILE NAME STRING
30 AC FDD		022C	414	MOVAB	INPFILE, FAB\$L_DNA(AP)	SET ADDRESS OF DEFAULT NAME STRING
57 28	B AC D	0 0220	416	MOVL	FAB\$L_NAM(AP),R7	GET ADDRESS OF INDIRECT NAME BLOCK
69 FF	8F 9	0 0230	418 419	MOVB	#255,(R9) R9.10F L FILENAME(R8)	STORE LENGTH OF BUFFER (IN SYM TAB)
	8F 9	0238 B 0238	420 421	ASSUME	R9. IDF L FILENAME (R8) NAMSB RSC EQ NAMSB RSS+1 WNAMSC MAXRSS,-	1 CAVE THE CIZE OF THE DUESED
"	01 7	0 0230	761	MOVZBW	ANUAC UNVESS'-	SAVE THE SIZE OF THE BUFFER

			FU	12H	PRULE	DUKE	UNIU	INDI	KECI 3	STACK 4-SEP-1904 23:41:10 LUCL.SKCJINDIRECT.MAR; 1	4,
04	A7	02 A 01 A	9 9	E	023B 023D	422222222222222222222222222222222222222		!	MOVAB	NAMSB_RSS(R7) ; (NOTE, NOT THE ALLOCATED SIZE) 1(R9) NAMSL RSA(R7) ; SAVE THE ADDRESS OF THE BUFFER E NAMSR RSL ED NAMSR RSS+1	
		FF 8	E 9	B	0242	425		i	MOVZBW	W WNAMST MAXRSS ; SET UP EXPANDED STRING TOO	
		FF 8 0A A 04 A 0C A	7 0	0	0245	426	}		MOVL	W #NAMSE MAXRSS - SET UP EXPANDED STRING TOO NAMSE ESS(R7) NAMSE RSA(R7) -	
		OC A	7		024A	428	3			NAMSL_ESA(R7)	
		A7 0	1 9	0	0240	430			MOVB	#NAMSM_PWD.NAMSB_NOP(R7);DISABLE_PASSWORD_MASKING	
16	AC DOOC	80 8 0000 8	F D	00	0250	431	,		MOVB	#FABSM_EXE, FABSB_FAC(AP); SET FILE ACCESS TYPE #FABSM_INP!FABSM_PPF, - ; SET FILE OPEN OPTIONS	
		04 A	C	00	0255 025B 025D	433			MOVB	FABSE FOP (AP) #FABSE PRN, FABSE RAT (AP) : SET CARRIAGE CONTROL	
	1E	AC 0	3 9	00	0261	435		- 1	MOVB	#FABSC_VFC, FABSB_RFM(AP); SET VERT. FORMS CONTROL	
		17 A	C 9	00	0265	436	3		MOVL	#FABSC_VFC, FABSB_RFM(AP); SET VERT. FORMS CONTROL FABSB_SHR(AP) ; CLEAR FILE SHARING OPTIONS AP, RO ; ADDRESS OF FAB	
					0261 0265 0268 0268 0268 0268	438	3		MOVL	#4,R1 ;ASSUME OPEN WITH ERROR REPORTING	
		03 6	Ē Ē	9 8	026E	440)		BLBC	(SP) 88 : IF ERROR REPORTING DISABLED,	
		51 0 FD8	9. 3	80	0274	441	85:		BISL	(SP) 88 : IF ERROR REPORTING DISABLED, #2.R1 : DO OPEN WITHOUT ERROR REPORTING DCLSOPEN CREATE : OPEN INDIRECT INPUT FILE T NAMSV_PWD,NAMSB_NOP(R7) : UNCONDITIONALLY REENABLE PASSWORD MASKINN	
		3D 5			0274 0277	443			CLRBIT	T NAMSV_PWD, NAMSB_NOP(R7) ; UNCONDITIONALLY REENABLE PASSWORD MASKINN	G
					027B 027E	445	5			[2] 사이트 사용 사용 [2] 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전	
56	A8	02 A	C 9	00 00 00	027E 0283 0288 028D 0292 0294 0297 029B 029B 029B 029B 029F 02A1	446	7		MOVW	FABSW_IFI(AP), IDF w_INPIFI(R8); SAVE INPUT FILE INTERNAL INDEX PRD_G_ALTINPRAB(AP), R6; GET ALTERNATE INPUT RAB FABSL_DEV(AP), RABSL_CTX(R6); SAVE DEVICE CHARACTERISTICS PAGEL_CTX(R6); SAVE DEVICE CHARACTERISTICS	
18	A6 A8	40 A	Ç D	00	8850	448	3		MOVL	FABSL DEV(AP), RABSL CTX(R6); SAVE DEVICE CHARACTERISTICS PARSL CTX(R6) IDE L INPRARCTX(R8); AND A COPY IN THE STACK FRAME	
00		1	1 E	ĭ	0292	450			BBC	WNAMS T NODE - BRANCH IF NOT A REMOTE OPEN	
	0	4 34 A	'		0297	450 451 452 453			SETBIT	RABSL_CTX(R6).IDF_L_INPRABCTX(R8); AND A COPY IN THE STACK FRAME #NAM\$V_NODE ;BRANCH IF NOT A REMOTE OPEN NAM\$L_FNB(R7).10\$ T IDF_V_REMOTE ;SET REMOTE OPEN FLAG	
					0297 0298	453				IDF_W_FLAG(R8) ;	
					029B	400) :			THE NAME PRODUCATE CONCEALER ATTRIBUTES	
					029B	456	9 : 61		E DEAL	ICE NAME. PROPAGATE CONCEALED ATTRIBUTES.	
		0		1	029B	457 458 459	10\$		CLRBIT BBC		
	0	4 34 A	7		CASO	461				NAME: FND(D7) 116	
					02A4 02A8	463	2		SETBIT ASSUME	T IDF_V_INPCCL, IDF_B_OUTFLAGS(R8); SET CONCEALED BIT IN IDF E IDF_W_INPFID EQ IDF_T_INPDVI+16	
	14	.7 1	c z		8AS0	463	115		ASSUME MOVC	#28_NAMST_DVI(R7),- ;COPY FILE INFORMATION	
		3C A	8		02AC	464				IDF T INPOVI(R8) ; INTO INDIRECT STACK FRAME	
	30			00	02AE 02B2 02BB 02BE 02C3	466	7		MOVL SCONNE	ECT RAD-(RO)	
		4A 5	0 E	9	02BB	468	9\$:		BLBC CLRBIT	CONNECT TO NEW INPUT RO,50\$; IF LBC CONNECT FAILURE T RABSV_PPF_IND,RABSW_ISI(R6) ; MAKE SURE INDIRECT FLAG IS CLEAR	
	14	AB 5	6 [00	02C3	469			MOVL	R6,PRC_L_INDINPRAB(R11) ;SET INDIRECT INPUT RAB	
		027	2 :	50	OZCA	47	2		BSBW	SAV_EXE_ONLY ; SAVE VER. FLAGS IF EXE-ONLY PROCEDURE.	
					A350	473	: .	REATE	OUTPU	UT FILE, IF SPECIFIED	
				20	02CA 02CA 02CA 02CA 02CA 02CE 02CE	476 476 476 476	5 : "				
	51 7E	0C A	7	7D 9A 00	OSCE	47	7		MOVQ MOVZBL	12(SP),R1 ;GET OUTPUT FILESPEC (R4/R5 ON ENTRY) L NAMSB_RSL(R7),-(SP) ;SAVE LENGTH OF INPUT FILE NAME	
		56 6	8 (00	0202	478	8		MOVL	IDF_L_LNK(R8), R6 ; SET ADDRESS OF DEFAULT SYSSOUTPUT INFO	

INDIRECT VO4-000	- IND PUSH	DIRECT FILE MANIPULATION PROCEDURE ONTO INDIRECT	ROUTINES 15-SEP-1984 23 STACK 4-SEP-1984 23	:55:59 VAX/VMS Macro V04-00 Page 11 :41:10 [DCL.SRC]INDIRECT.MAR;1 (4)
	FD28 30 51 8ED0 2A 50 E9	02D5 479 BSBW 02D8 480 POPL 02DB 481 BLBC	DCLSOPEN_OUTPUT R1 R0,50\$	CONDITIONALLY OPEN SYSSOUTPUT RESTORE LENGTH OF INPUT FILE NAME RETURN ANY ERRORS
		02DE 483 : DEALLOCATE	UNUSED BUFFER.	
	50 68 A8 D0 60 51 90 51 08 C0 51 07 CA 50 51 C0 50 51 C3 03 13 FD05' 30	02D5 479 02D8 480 02DB 481 02DE 482 02DE 483 02DE 484 02DE 485 02DE 486 02DE 486 02E2 487 02E5 488 02E8 489 02EB 490 02EE 491 02F6 492 02F8 493 02FB 494 02FB 495;	IDF L FILENAME (R8),R0 R1, (R0) #8,R1 #7,R1 R1,R0 R1,#<< <nam\$c_maxrss+1>+7 40\$ DCL\$DEADYNMEM</nam\$c_maxrss+1>	GET ADDRESS OF BUFFER SAVE FILE NAME LENGTH IN FIRST BYTE OF BUFF ROUND UP SIZE TO QUADWORD BOUNDARY (INCLUDE TRUNCATE DOWN SIZE TO QUADWORD BOUNDARY CALCULATE ADDRESS OF UNUSED BUFFER 7>&^C<7>>,R1 ;CALCULATE SIZE OF UNUSED BUFFER DON'T DEALLOCATE IF NO UNUSED BUFFER DEALLOCATE UNUSED BUFFER
		02FB 496 : CREATE LOGI	CAL NAMES FOR 'INPUT' AND	OUTPUT' AND EXIT WITH SUCCESS.
	FD02° 30	02FB 498 40\$: BSBW 02FE 499 STATU	DCLSCREATE_IO	CREATE LOGICAL NAMES FOR 'INPUT' AND 'OUTPU
	FE4C 31	0305 500 BRW	80\$	EXIT WITH SUCCESS
		0308 502 : OPEN, CONNE	CT, OR SYMBOL ALLOCATION FA	AILURE
	02 A7 B4 0A A7 B4 50 DD 0080 30 50 8ED0 FE3B 31	02FB 496	NAMSB_RSS(R7) NAMSB_ESS(R7) RO UNSTACK RO 80\$:INVALIDATE RESULTANT STRINGS :INVALIDATE EXPANDED STRINGS :SAVE ERROR/STATUS VALUE :UNSTACK PREVIOUS INDIRECT FILE :RETRIEVE ERROR/STATUS VALUE :EXIT WITH STATUS

SETIND: POPR

DISABLE

BA

GET RETURN PC

:DISABLE CONTROL Y/C AST'S

```
.SBTTL UNSTACK INDIRECT FILE SPECIFICATION
                                                   DCLSUNSTACK - UNSTACK INDIRECT FILE SPECIFICATION
                                                   THIS ROUTINE IS CALLED TO CLOSE THE CURRENT INDIRECT FILE AND TO UNSTACK THE PREVIOUS SPECIFICATION.
                                                   INPUTS:
                                                            NONE .
                                                   OUTPUTS:
                                                            THE CURRENT INDIRECT FILE IS CLOSED AND ALL LOCAL SYMBOLS FOR THE LEVEL ARE DEALLOCATED. THE PREVIOUS INDIRECT FILE IS THEN UNSTACKED AND REOPENED.
                                                            RO LOW BIT CLEAR INDICATES UNSUCCESSFUL COMPLETION.
                                                            RO LOW BIT SET INDICATES SUCCESSFUL COMPLETION.
                                                            ALL ERRORS ARE SIGNALED BEFORE RETURNING TO CALLER.
                                                DCL$UNSTACK::
                                                                                                               UNSTACK INDIRECT FILE SPECIFICATION
                                                                                     TBLFLG=#LOG$C_PROCESS.- ; DELETE ANY USER DEFINED ACMODE=#PSL$C_USER ; LOGICAL NAMES. ; SETUP INDIRECT PROCESSING
                                                            $DELLOG_S
                                                                        BSBB
                                                                         SETIND
                        DD
E5
30
                                                            PUSHL
13 68 AB
                                                            BBCC
              FCCE'
                                                            BSBW
                                                            STATUS
                50
         6E
                                                            MOVL
                                                            ERRMSG
             FCBE'
                                                            BSBW
                                          546
547
548
                         10
                                                105:
                                                            BSBB
                                                                       UNSTACK
WRK_G_INPBUF-1(R10),-
WRK_L_CHARPTR(R10)
WRK_G_INPBUF(R10)
WRK_G_INPBUF(R10)
WRK_G_INPBUF(R10)
WRK_G_INPBUF(R10)
WRK_G_INPBUF(R10)
WRK_L_RSLNXT(R10)
WRK_L_RSLNXT(R10)
WRK_L_RSLNXT(R10)
WRK_L_RSLNXT(R10)
WRK_L_RSLEND(R10)
WRK_L_EXPANDPTR(R10)
WRK_L_EXPANDPTR(R10)
WRK_L_MARKPTR(R10)
WRK_L_MARKPTR(R10)
WRK_V_COMMAND,R1,10$
WRK_V_COMMAND,WRK_W_FLAGS(R10):CLEAR_COMMAND_IN_PROGRESS
         F895
                         9E
                                                            MOVAB
                CA
         F48E
F896
                CA
                CA
8F
                        94
                                                            CLRB
                        BA
                                          550
                                                STKXIT:
                     8EDO
8EDO
8EDO
8EDO
            BA AA
                                                            POPL
         86 AA
F486 CA
                                                            POPL
                CA
                                                            POPL
                                                            POPL
                                                            ENABLE
                                                                        #WRK_V_COMMAND,R1,10$ ;BR IF COMMAND WAS SET #WRK_M_COMMAND,WRK_W_FLAGS(R10);CLEAR COMMAND IN PROGRESS
    04 51
FO AA
                 01
                        EO
AA
                               0367
                                                            BBS
                               036B
                               036F
                                          559
                                                10$:
                                                            RSB
                                          561
562
563
564
565
566
568
                                                   SETIND - SETUP INDIRECT
                                                   SAVE THE NON-VOLATILE REGISTERS AND THE COMMAND WORK FLAGS, THEN SET COMMAND
```

INDIRECT V04-000	- INDIRECT FILE MANIPULATION ROUTINES 15-SEP-1984 23:55:59 VAX/VMS Macro V04-00 Page 13 UNSTACK INDIRECT FILE SPECIFICATION 4-SEP-1984 23:41:10 [DCL.SRC]INDIRECT.MAR;1 (5)
	F48A CA DD 0378 569 F486 CA DD 037C 570 B6 AA DD 0380 571 BA AA DD 0383 572 F0 AA DD 038A 574 F0 AA DD 038A 575 F0 AA DD 038B 575 F0 AA DD

```
.SBTTL UNSTACK NEXT INDIRECT FILE
                                       UNSTACK - UNSTACK NEXT INDIRECT FILE
                                               THIS ROUTINE IS CALLED TO CLOSE THE CURRENT INDIRECT FILE AND UNSTACK THE CONTEXT INFORMATION FOR THE PREVIOUS LEVEL INDIRECT FILE.
                                               INPUTS:
                                                        R11 = ADDRESS OF PROCESS WORK AREA
                                               OUTPUTS:
                                                        NONE
                                                        RO-R8, AP ARE DESTROYED.
                                            UNSTACK:
                                                                                                       :UNSTACK INDIRECT FILE
                                                                    PRC_L_INDFAB(R11),AP
PRC_L_IDFLNK(R11),R8
                                                                                                       GET ADDRESS OF SCRATCH FAB
                                                         MOVL
        OOBC CB
                       DO
                                                         MOVL
                       DD
                                       600
                                                        PUSHL
                                                                                                       SAVE THAT ADDRESS
                                       602
                                               CLOSE CURRENT INPUT PROCEDURE FILE
                                                        MOVW IDF W_INPIFI(R8), FAB$W_IFI(AP) : RESTORE INTERNAL FILE INDEX $CLOSE FAB=(AP) ; CLOSE INDIRECT INPUT FILE
02 AC
                       B0
           04 A8
                                               DEALLOCATE LOCAL SYMBOLS AND LABELS FOR CURRENT LEVEL
                                       610
611
612
613
                                                                                                      REMOVE NEXT ENTRY FROM LOCAL SYMBOL TABLE IF VC ENTRY REMOVED REMOVE NEXT ENTRY FROM LOCAL LABEL TABLE
               BB 06
                                             105:
                                                                   aPRC_Q_LOCAL(R11),R3
                                                        REMQUE
    53
           38
                       1C
OF
1D
30
11
                                                         BVC
                BB
05
    53
           30
                                                         REMQUE
                                                                    aPRC_Q_LABEL(R11),R3
                                                                                                       : IF VS TABLE EMPTY
                                                         BVS
                                                                    30$
             FC45
                                       20$:
                                                                    DCL$DEALLOCSYM
                                                         BSBW
                                                                                                       DEALLOCATE SYMBOL ENTRY
               EF
                                                        BRB
                                               DEALLOCATE F$SEARCH CONTEXT BLOCKS FOR CURRENT LEVEL
                                            305:
                                                                                                      GET FIRST ENTRY OFF F$SEARCH LIST
BRANCH IF NONE LEFT
REMOVE FROM LINKED LIST
SET NULL DEVICE NAME
                                                                    IDF_L_SEARCHCTX(R8),R3.
           64
                       13
00
90
9E
                26
63
CF
CF
                                                         BEQL
                                                                   (R3), IDF_L_SEARCHCTX(R8)
NLAO, FAB$B_FNS+8(R3)
NLAO+1, FAB$L_FNA+8(R3)
FAB=8(R3)
                                                         MOVL
    64
                                                         MOVB
        FC50
                                                         MOVAB
                                                                                                      TERMINATE SEARCH SEQUENCE
SET ADDRESS OF BLOCK TO DEALLOCATE
GET SIZE OF ENTRY IN BYTES
DEALLOCATE CONTEXT BLOCK
LOOP UNTIL LIST CLEANED OUT
                                                         SPARSE
           04 A0
FC19
                       DO
DO
30
                                                                    R3,R0
4(R0),R1
                                                         MOVL
         50
                                                         MOVL
                                                                    DCLSDEADYNMEM
                                                         BSBW
                                                         BRB
                                               DEALLOCATE FILE NAME STRING
           68 A8
                       DO
                                                         MOVL
                                                                    IDF_L_FILENAME(R8),R0
                                                                                                      GET ADDRESS OF ASCIC FILENAME
```

INDIRECT V04-000			- IN	DIRECT FILE	MANIPUL IRECT F	ATION RO	M 15 UTINES 15-SEP-1984 23 4-SEP-1984 23	:55:59 VAX/VMS Macro VO4-00 Page 15:41:10 [DCL.SRC]INDIRECT.MAR;1 (6)
		51 60 51 08 51 07 FC07'	9A CO CA 30	03ED 635 03F0 636 03F3 637 03F6 638 03F9 639		MOVZBL ADDL BICL BSBW	(RO),R1 #8,R1 #7,R1 DCL\$DEADYNMEM	GET SIZE OF FILENAME; ROUND UP SIZE TO QUAD BOUNDARY TRUNCATE SIZE TO QUAD BOUNDARY DEALLOCATE BUFFER
				03F9 640 03F9 641	RESET	ON COND	ITIONS BACK TO DEFAULTS	
		FC04' FC01'	30 30	03F9 642 03F9 643 03FC 644 03FF 645	•	BSBW BSBW	DCL\$ONRESET DCL\$ONCTLYRST	RESET ON ERROR PARAMETERS ; AND THE ON CONTROL Y HANDLER
				03FF 646 03FF 647	CHECK	IF THE RESTOR	FRAME JUST CLOSED WAS THE VERIFICATION STATE FRO	E FIRST EXE-ONLY FRAME ENCOUNTERED. M SAVED FLAGS.
		0178	30	03FF 648 03FF 649 0402 650		BSBW	RES_EXE_ONLY	CHECK EXE-ONLY PARAMETERS.
				0402 651	POINT	BACK TO	THE PREVIOUS INDIRECT F	RAME
	00BC		00	0402 653 0407 654		MOVL	IDF_L_LNK(R8), - PRC_L_IDFLNK(R11) IDF_K_LENGTH(R8), -	; UNLINK FRAME FROM INDIRECT LIST ; AND RESET FRAME POINTER
	OOAO CB		9E	0407 655 040D 656		MOVAB	PRC_L_STACKPT(R11)	REMOVE CURRENT INDIRECT FRAME FROM STACK AND RESET STACK POINTER SET NEW INDIRECT STACK DEPTH
	58	7C AB 00BC CB	D7 D6 D0	0407 655 040D 656 040D 657 0410 658 0413 659 0418 660		DECL INCL MOVL	PRC_L_STACKPT(R11) PRC_L_INDEPTH(R11) PRC_L_INDCLOCK(R11) PRC_L_IDFLNK(R11),R8	; SET NEW INDIRECT STACK DEPTH ; COUNT TOTAL STACKS OR UNSTACKS ; POINT TO PREVIOUS INDIRECT FRAME
				0418 661 0418 662	RESTO	RE THE S	AVED CONTEXT FROM THE PR	EVIOUS INDIRECT FRAME
	38 AB 30 AB 6A AB 6C AB 00B8 CB	10 A8 18 A8 06 A8 08 A8 60 A8	7D 7D 80 D0 D0	03F0 03F0 03F6 03F7 03F7 03F7 03F7 03F7 03F7 03F7 03F7	•	MOVQ MOVW MOVL MOVL	IDF_Q_LOCAL(R8),PRC_Q_L IDF_Q_LABEL(R8),PRC_Q_L IDF_W_ONLEVEL(R8),PRC_W IDF_L_ONERROR(R8),PRC_L IDF_L_ONCTLY(R8),PRC_L	OCAL(R11) ; RESTORE LOCAL SYMBOL TABLE LISTHEA ABEL(R11) ; RESTORE LOCAL LABEL TABLE LISTHEAD _ONLEVEL(R11) ; RESTORE ON ERROR LEVEL NUMBER _ONERROR(R11) ; RESTORE ADDRESS OF COMMAND TEX ONCTLY(R11) ; AND THE ON CONTROL T HANDLER
				0432 670 0432 671 0432 672	RE-OP	EN THE I	E.	CIATED WITH THE PREVIOUS
	FFFF 8F	03 00EA	B1 12 31 00	0432 674 0438 675 043A 676 043D 677 0440 678	35\$:	CMPW BNEQ BRW MOVL	50\$	F; IS THE INPUT FILE ALREADY AT EOF? :NO, THEN BRANCH :YES, THEN DO NOT REOPEN :ASSUME RETURNING TO LEVEL ZERO AND-
	03 5E	08 AB 14 AB A8 00 008A	E0 31	0440 678 0442 679 0447 680		BBS BRW	#IDF_V_INPOPN,IDF_W_FLA	:ASSUME RETURNING TO LEVEL ZERO AND- :SET INPUT AS INDIRECT INPUT ALSO G(R8),351\$:CONTINUE IF NOT GOING TO LEVEL 0 ;SKIP IF GOING TO LEVEL 0
	7E 7E 7E 7E	FBBB CF FBBB CF FBBB CF FBB5 CF 51 SE	9E 9A 9E 9A DO	0432 673 0432 674 0438 675 0438 676 0438 677 0440 678 0442 679 0447 680 0447 680 0444 681 0444 682 0446 683 0456 685 0458 686 0463 689 0463 690 0472 691	351\$:	PUSHL MOVAB MOVAB MOVAB MOVZBL MOVL \$DELLNM	#PSL\$C_SUPER SYS_INPUT_NAME+1,-(SP) SYS_INPUT_NAME,-(SP) LNM\$PROCESS+1,-(SP) LNM\$PROCESS,-(SP) SP,R1 S TABNAM=(R1),- LOGNAM=8(R1),-	PUSH ACCESS MODE BUILD LOGICAL NAME DESCRIPTOR BUILD TABLE NAME DESCRIPTOR SAVE ADDR. OF DESCRIPTORS DELETE SYSSINPUT
		5E 14	co	0463 690 0472 691		ADDL	ACMODE=16(R1) #4*5,SP	CLEAN STACK

F/ 00-/ 00 /	0475 692		
56 00F4 CC	9E 0475 693 00 047A 694 00 047E 695 00 0483 697	MOVAB MOVL	PRD G ALTINPRAB(AP), R6 ; GET THE ALTERNATE INPUT RAB R6, PRC L INDINPRAB(R11) ; SET THAT IS INDIRECT INPUT RAB IDF L INPRABCTX(R8), - ; RESTORE STACKED DEVICE CHARACTERISTICS- RAB\$L CTX(R6) ; VALUE FROM STACK FRAME FAB\$L NAM(AP), R7 ; ADDRESS OF NAME BLOCK
0C A8 1 18 A6 57 28 AC 1	00 047E 695	MOVL	R6,PRC_L_INDINPRAB(R11); SET THAT IS INDIRECT INPUT RAB IDF_L_INPRABCTX(R8),- ; RESTORE STACKED DEVICE CHARACTERISTICS- RAB\$L_CTX(R6) ; VALUE FROM STACK FRAME FAB\$L_NAM(AP),R7 ; ADDRESS OF NAME BLOCK IDF_W_INPFID EQ IDF_T_INPDVI+16 IDF_W_INPDID EQ IDF_W_INPFID+6 #28,IDF_T_INPDVI(R8),- ; COPY PREVIOUS INPUT DEVICE,FILE AND- NAM\$T_DVI(R7) ; DIRECTORY ID'S INTO NAME BLOCK NAM\$B_DEV EQ NAM\$B_NODE+1 NAM\$B_DEV EQ NAM\$B_DEV+1 NAM\$B_NAME EQ NAM\$B_DEV+1 NAM\$B_TYPE EQ NAM\$B_NAME+1 NAM\$B_TYPE EQ NAM\$B_NAME+1 NAM\$B_VER EQ NAM\$B_TYPE+1 NAM\$B_NODE(R7) ; INIT. FILE SPEC. SIZE FIELDS BEFORE :REUSING NAM BLOCK.
57 28 AC 1	00 0481 696	MOVL	RABSL_CTX(R6) ; VALUE FROM STACK FRAME
	048/ 698	ASSUME	IDF_W_INPFID EQ IDF_T_INPDVI+16
3C A8 1C	28 0487 699 28 0487 700	ASSUME MOVC	IDF W INPDID EQ IDF W INPFID+6
14 A7	048B 701	HOVE	#28, IDF T INPDVI(R8), = : COPY PREVIOUS INPUT DEVICE, FILE AND- NAMST_DVI(R7) : DIRECTORY ID'S INTO NAME BLOCK
	048D 702	ASSUME	NAMSB_DEV EQ NAMSB_NODE+1
	28 0487 700 048B 701 048D 702 048D 703 048D 704	ASSUME ASSUME	NAMSB_NAME EQ NAMSB_DIR+1
	048D 702 048D 703 048D 704 048D 705 048D 706 048D 707 0490 708	ASSUME ASSUME	NAMSB_TYPE EQ NAMSB_NAME+1
38 A7 I	04 048D 707	CLRL	NAMSB_NODE(R7) ; INIT. FILE SPEC. SIZE FIELDS BEFORE
3C A7 E	0490 708 84 0490 709	CLRW	NAMSB_TYPE(R7) :REUSING NAM BLOCK.
JC AI	0493 710		그리고 그 그 그 그 그 사람들이 되었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
	0493 711 0493 712	ASSUME ASSUME	NAMSB_RSL EQ NAMSB_RSS+1 NAMSB_ESL EQ NAMSB_ESS+1
02 A7 0A A7	84 0493 713	CLRW	NAMSB_RSS(R/) ;SET RESULT RESULTANT AND EXPANDED
UA A/	34 0496 714 0499 715	CLRW	NAMSB_ESS(R7) ;STRING SIZES TO NULL SO THAT THE ;RSA AND ESA WON'T BE USED.
1/ 10 00 00 /	0499 716		생기보다 한 때 가장 하는 것이 보더니 하는 사람들이 되지 않는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다.
16 AC 82 8F 9	90 0499 717 00 049E 718	MOVB MOVL	#FABSM_EXE!FABSM_GET,FABSB_FAC(AP) ;SET FILE ACCESS TYPE #FARSM_INP!FARSM_PPF!FARSM_NAM = .SET FILE OPEN OPTIONS
04 AC	04A4 719	0.00	#FAB\$M_EXE!FAB\$M_GET,FAB\$B_FAC(AP) ;SET FILE ACCESS TYPE #FAB\$M_INP!FAB\$M_PPF!FAB\$M_NAM,- ;SET FILE OPEN OPTIONS FAB\$L_FOP(AP) FAB\$B_FNS(AP) ;REMOVE RESIDUAL FILE NAME SIZE
34 AC 9	94 04A6 720 94 04A9 721	CLRB CLRB	FAB\$B_FNS(AP) ; REMOVE RESIDUAL FILE NAME SIZE ; CLEAR FILE SHARING OPTIONS
02 AC E	34 04AC 722 1 04AF 723	CLRW	EADELL TET/ADY . CI PAR TAIRLIT TPT
11 5E A8	1 04AF 723 04B1 724	BBC	WIDF V REMOTE - SKIP IF NOT REMOTE ACCESS
50 68 A8 D	04B4 725	CLRBIT	#IDF V REMOTE - SKIP IF NOT REMOTE ACCESS IDF D FLAG(R8).36\$ FAB\$V_NAM, FAB\$L_FOP(AP) IDF_L_FILENAME(R8).R0 (R0)+, FAB\$B_FNS(AP) R0, FAB\$L_FNA(AP) FAB=(AP) IDF D FLAG(R8).36\$ CLEAR OPEN BY NAM BLOCK FLAG GET ADDRESS OF ASCIC FILENAME GET ADDRESS OF FILE NAME OPEN PREVIOUS INPUT OPEN PREVIOU
34 AC 80 9	00 04B9 726 00 04BD 727	MOVL	IDF_L_FILENAME(R8), RO ; GET ADDRESS OF ASCIC FILENAME (R0)+, FAB\$B_FNS(AP) ; GET LENGTH OF FILE NAME
2C AC 50 C	00 04C1 728 04C5 729	365: MOVL SOPEN	RO, FAB\$L_FNA(AP) ; GET ADDRESS OF FILE NAME FAB=(AP) ; OPEN PREVIOUS INPUT
05 50 FB2C	8 04CE 730	OLOS	MV, JOS
FB2C' 3	30 04D1 731 11 04D4 732	37\$: BSBW	DCLSERRORMSG ; REPORT ERROR MESSAGE
	0406 733	TOR. CIDDIT	FABSV_NAM, FABSL_FOP(AP) ; REMOVE OPEN BY NAME BLOCK FLAG
04 A8 02 AC E	30 04DB 734 34 04E0 735	MOVW	FABSW_IFI(AP), IDF_W_INPIFI(R8); SET NEW INPUT IFI
	04E3 736	SCONNECT	RAB\$W_ISI(R6) ;ZERO PREVIOUS INTERNAL SEQUENCE NUMBER ;CONNECT TO PREVIOUS INPUT ;BRANCH IF UNSUCCESSFUL
1F 18 A6 1C	9 04EC 737	BLBC BBC	RO. 37\$ BRANCH IF UNSUCCESSFUL
14 A6 5C A8 E	1 04EF 738 30 04F4 739	MOVW	IDF_W_INPRFA+4(R8), RAB\$W_RFA4(R6); COPY RECORD FILE ADDRESS FROM
14 A6 5C A8 E 10 A6 58 A8 D 13 1 1E A6 02 9	9 04EC 737 1 04EF 738 30 04F4 739 00 04F9 740 13 04FE 741	MOVL BEQL	IDF W_INPRFA(R8), RAB\$W_RFA(R6) ; FROM INDIRECT STACK TO RAB
1E A6 02 9	0500 742	MOVB	#RABSC_RFA, RABSB_RAC(R6) ; SET ACCESS MODE TO RECORD FILE ADR
C1 50 E	9 0504 743 9 050D 744	\$FIND BLBC	FABSU_IFI(AP), IDF_W_INPIFI(R8); SET NEW INPUT IFI RAB\$W_ISI(R6) ; ZERO PREVIOUS INTERNAL SEQUENCE NUMBER RAB=(R6) ; CONNECT TO PREVIOUS INPUT RO,37\$; BRANCH IF UNSUCCESSFUL #DEV\$V_RND, RAB\$L_CTX(R6), 40\$; SKIP IF NOT A DISK FILE IDF_W_INPRFA+4(R8), RAB\$W_RFA4(R6); COPY RECORD FILE ADDRESS FROM IDF_W_INPRFA(R8), RAB\$W_RFA(R6); FROM INDIRECT STACK TO RAB 1DF_W_INPRFA(R8), RAB\$W_RFA(R6); FROM INDIRECT STACK TO RAB 2BR IF PREVIOUS FILE AT TOP_OF_FILE #RAB\$C_RFA, RAB\$B_RAC(R6); SET_ACCESS_MODE_TO_RECORD_FILE ADR RAB=(R6) ; SET_TO_NEXT_RECORD_POSITION RO,37\$; BRANCH IF_UNSUCCESSFUL
	0510 745	ASSUME	RAB\$C_SEQ EQ 0
1E A6 9	0510 746	CLRB	RAB\$B_RAC(R6) ;SET ACCESS TO SEQUENTIAL
	0513 748		

		0513 0513	749 : CLOSE CURRENT OUTPUT FILE IF THE CURRENT OUTPUT FILE IS DIFFERENT 750 : FROM THE PREVIOUS LEVEL. CREATE SYSSINPUT AND SYSSOUTPUT LOGICAL NAMES.
52	0094 C8 9E	0513 0516	751 ; 752 40\$: POPL R8 ;GET ADDR OF JUST CLOSED IDF FRAME 753 MOVAB IDF W OUTIFI+IDF K_LENGTH(R8),R2 ;GET ADDR OF OUTPUT FILE INFO 754 BSBW DCL\$RESTORE OUTPUT ;RESET OLD SYS\$OUTPUT 755 MOVL PRC L_IDFLNR(R11),R8 ;GET ADDR OF CURRENT IDF FRAME 756 BSBW DCL\$CREATE_IO ;CREATE 'INPUT' AND 'OUTPUT' LOGICAL NAMES 757 RSB
58	FAE2' 30 00BC CB D0 FADA' 30	051B 051E	754 BSBW DCLSRESTORE OUTPOT ; RESET OLD SYSSOUTPUT 755 MOVL PRC L IDFLNR(R11), R8 ; GET ADDR OF CURRENT IDF FRAME 756 BSBW DCLSCREATE IO ; CREATE 'INPUT' AND 'OUTPUT' LOGICAL NAMES
	FADA 30	0523	756 BSBW DCLSCREATE_10 ; CREATE 'INPUT' AND 'OUTPUT' LOGICAL NAMES 757 RSB
		0527 0527	758 759 : 760 : DO NOT OPEN THIS INPUT FILE. REOPEN THE NEXT ONE.
	58 8EDO	0527 0527	760 : DO NOT OPEN THIS INPUT FILE. REOPEN THE NEXT ONE. 761 : 762 508: POPL R8 ;GET ADDR OF JUST CLOSED IDF FRAME
52	0094 C8 9E	052A	763 MOVAB IDF W OUTIFI+IDF K LENGTH(R8) , R2 ; GET ADDR OF OUTPUT FILE INFO
58	0094 C8 9E FACE' 30 00BC CB D0 58 DD FE70 31	052F 0532 0537	763 MOVAB IDF W OUTIFI+IDF K_LENGTH(R8),R2;GET ADDR OF OUTPUT FILE INFO 764 BSBW DCL\$RESTORE OUTPUT ;RESET OLD SYS\$OUTPUT 765 MOVL PRC_L_IDFLNR(R11),R8 ;GET ADDR OF CURRENT IDF FRAME 766 PUSHL R8 ;SAVE THAT ADDRESS 767 BRW 10\$:REOPEN NEXT INPUT FILE

2B 16 AC 012D 012C CB 56 AB 07 #PRC_V_SAVCMDV!PRC_V_SAVIMGV,-PRC_B_OUTFLAGS(R11) A8 BICB PRESET SAVED VERIF. FLAGS D4 E1 CLRL ; TURN OFF IMG. VERIF. R6 #PRC V VERIFY, PRC W FLAGS(R11), 10\$;SKIP IF
PRC V SAVCMDV, PRC B OUTFLAGS(R11) ;SET CMD
#PRC V VERIMAGE, PRC B FLAGS2(R11), 20\$;SKIP IF
PRC V SAVIMGV, PRC B OUTFLAGS(R11) ;SET IMG
DCL\$SETVERIFY IMAGE
PRC L INDEPTH(R11), PRC B EXONLY! (R11) ;SAVE LE
(SP)+, R6 ;RESTORE WORK REGISTERS SKIP IF NO VERIFY 0551 05 68 AB BBC 0556 055B SETBIT :SET CMD. VERIFY 797 10\$: SKIP IF NO VERIFY 05 00AF CB 07 E1 BBC 0561 0566 0569 056F 0572 SETBIT :SET IMG. VERIFY 30 90 20\$: BSBW 800 801 802 803 SC AB 012D CB MOVB ; SAVE LEVEL NUMBER DO 30\$: 56 MOVL STATUS NORMAL : ALWAYS EXIT WITH SUCCESS 05 0579 RSB :EXIT

7E SC AB

012D CB

02

56

8E

05A1

05A3

05A9 05AC

05AF

05B6

05B7 05B7

06

30 D0

05

012D

56

05 012C CB

02 012C CB

RESTORE WORK REGISTER

: ALWAYS SIGNAL SUCCESS

:EXIT

BBC

INCL

BSBW

MOVL

RSB

.END

CLRBIT

STATUS

(SP)+,R6

NORMAL

20\$:

INDIRECT Symbol table	- INDIRECT FILE MA	NIPULATION ROUTINES	15-SEP-1984 23:55:59 4-SEP-1984 23:41:10	VAX/VMS Macro VO4-00 [DCL.SRC]INDIRECT.MA	R;1 Page 20 (8)
SS.TMP1 SS.TMP2 SST1 CLIS_DEFOVF CLIS_IVQUAL CLIS_IVVALU CLIS_NORMAL CLIS_STKO CLIS_SYMOVI CLIS_SYMOVI CLIS_USGOTO DCLSALLDYNMEM DCLSALLOCSYM DCLSCOMPRESS DCLSCREATE IO DCLSDEALLOCSYM DCLSDEALGOTO DCLSDEALLOCSYM DCLSDEALLOCSYM DCLSDEFINE_P1_TO_P8 DCLSDISABLE DCLSERRORMSG DCLSGETDVAL DCLSMARK DCLSMARKEDTOKEN DCLSMARK DCLSMARKEDTOKEN DCLSMOVTOKN DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSOPEN_CREATE DCLSPUSHPROC DCLSRESTORE_OUTPUT DCLSRUNDOWN DCLSSETCHAR DCLSSETVERIFY_IMAGE DCLSTDEN DC	= 000000000000000000000000000000000000	FABSM PPF FABSW PRN FABSV-GET FABSU-GET FABSC-GET FABSC-	= 000 = 000 = 000 000 000 000 000 000 00	40000 00004 000018 000038 000074 000068 000000 000060 000008 000010 000010 000010 00005E 000010 00005E 00004C 00005E 00004C 00004C 00004C 00003B 000004C 00003B 000004C 00003B 000008 00008 0008 000	

NDIRECT ymbol table	- INDIRECT FILE M	ANIPULATION ROUTINES 15-SEP-1	1984 23:55:59 VAX/VMS Macro V04-00 1984 23:41:10 [DCL.SRC]INDIRECT.MAR;1	Page 21 (8
RC_B_EXMDEPMOD RC_B_EXMDEPWID RC_B_EXONLYL RC_B_FLAGS2 RC_B_IMGFLAG RC_B_OUTFLAGS RC_B_PROMPTLEN	000000AC 0000012D 00000078 000000F0 00000534 00000133 000000F4 00000534 000000A8 000000A8 000000A8 0000009C 0000009C 0000009C 000000BC 000000BC 000000BC 000000BC 000000BC 000000BC 000000BC 000000BC	PRC T OUTDVI PRC V GOTO PRC V SAVCMDV PRC V SAVIMGV PRC V VERIFY PRC V VERIFY PRC W ASTIOSB PRC W ASTRETN PRC W ASTSTATUS PRC W TLAGS PRC W INPCHAN PRC W OUTLFI PRC W OUTLSI PRC W OUTMBXCHN PRC W OUTMBXREF PRC W OUTMBXREF PRC W OUTMBXSIZ PRC W PMPT CTRL PRC W OUTMBXSIZ PRC W PMPT CTRL PRC W ENGTH PRD C LENGTH PRD G ALTOUTRAB PRD G ALTOUTRAB PRD G TRMLIST PRD G XABTRM PRD G XABTRM PRD K LENGTH PRD K XLENGTH	0000011C = 00000002 = 00000007 = 00000007 000000C6 000000C4 000000C8 00000064 00000064 00000014 00000116 000000CE 000000CE 000000CE 000000CE 000000CE 000000CC 000000F1 000000F1 000000F4 00000138 000000138 000000000 000000000 000000000 000000	
RC_B_EXONLYL RC_B_FLAGS2	0000012D 00000AF	PRC V SAVIMOV	= 00000002	
RC_B_IMGFLAG RC_R_OUTFLAGS	00000078	PRC V VERIFY	= 00000007	
RC_B_PROMPTLEN	000000F0	PRC_W_ASTIOSB	0000006	
RC G COMMANDS	00000133	PRC W ASTSTATUS	00000004	
RC_K_LENGTH	00000534	PRC_W_FLAGS	0000007A	
RC B PROMPTLEN RC C LENGTH RC G COMMANDS RC G PROMPT RC K LENGTH RC L CURRKEY RC L EXTARG RC L EXTARG RC L EXTARG RC L EXTELK RC L EXTELK RC L EXTEND RC L EXTEND RC L INDELOCK RC L INDEPTH RC L INDEPTH RC L INDEPTH RC L INDOUTRAB RC L INDOUTRAB RC L INPRAB RC L INPRAB RC L LASTKEY RC L ONCTLY RC L ONCTLY RC L ONCTLY RC L OUTOFBAND	00000048 000000A8	PRC_W_INPCHAN PRC_W_ONLEVEL	00000064 0000006A	
RC_L_EXTARG RC_L_EXTBLK	0000094 000008C	PRC_W_OUTIFI PRC_W_OUTISI	00000114	
RC_L_EXTCOD	0000090	PRC W OUTMBXCHN	000000CA	
RC_L_EXTPRM	00000098	PRC_W_OUTMBXSIZ	00000000	
RCLIMGACTSTS	00000080	PRCWWAITIOSB	00000066	
RC_L_INDELOCK	0000007C 0000005C	PRD_C_LENGTH PRD_C_XLENGTH	00000214 00000244	
RC_L_INDFAB	0000001C 00000014	PRD G ALTINPRAB	000000F4 00000138	
C L INDOUTRAB	00000018	PRD G F AB	0000000	
C L LASTKEY	00000040	PRD G NAM	00000050	
C_L_ONCTLY	00000088	PRD G TRMLIST	00000176	
RC_L_OUTOFBAND RC_L_OUTRAB	0000008C 00000084	PRD_G_XABTRM PRD_K_LENGTH	00000100	
RC_L_OUTRAB	0000000C 00000118	PRD_K_XLENGTH PRD_T_OUTDVI	00000244 00000214	
CCL PPFLIST	0000070 000012F	PRD_T_OUTDVI PRD_T_OUTFNM PRD_W_OUTDID	00000230	
C L RESTART	00000058	PRD WOUTFID	00000224	
CLSAVFP	00000004	PSLSC_USER	= 00000002	
C_L_SPWN	00000000	PTR_B_NUMBER_	00000004	
RC_L_STACKLM	000000A4 000000A0	PTR B PARMENT PTR B VALUE	00000006	
C_L_STATUS C_L_STS	0000054 0000084	PRD W OUTDID PRD W OUTFID PSL SC SUPER PSL SC USER PTR B LEVEL PTR B NUMBER PTR B PARMCNT PTR B VALUE PTR C LENGTH PTR K LENGTH PTR K PARAMETR PTR L DESCR PTR L ENTITY RABSB RAC RABSC RFA	000000C	
C_L_STV	00000088	PTRIKIPARAMETR	= 00000003	
C_L_TMBX	00000074	PTRILIENTITY	0000008	
C_Q_ALLOCREG	00000000	RABSC_RFA	= 00000012	
RC Q FLUSHTIME	0000070 0000058 00000000 00000000 00000000 00000000	RABSC_RFA RABSC_SEQ RABSL_CTX RABSL_FAB RABSV_PPF_IND RABSW_ISI RABSW_RFA RABSW_RFA4	00000230 0000022A 00000022 = 00000003 00000006 00000000 000000000 00000000	
RC L PPFLIST RC L RESTART RC L SAVAP RC L SAVFP RC L SEVERITY RC L STACKLM RC L STA	00000028 0000008	RABSL FAB RABSV PPF IND	= 0000003C = 000000E	
RC_Q_KEYPAD	00000040	RABSW ISI	= 00000002 = 00000010	
C_O_LOCAL	0000038	RABSW_RFA4	= 00000014 0000057A R 02	

INDIRECT Symbol table	- INDIRECT FILE	MANIPULATION ROUTINES	15-SEP-1984 23:55:59 VAX/VMS Macro V04-00 Page 22 4-SEP-1984 23:41:10 [DCL.SRC]INDIRECT.MAR;1 (8)
RMSS_EOF SAV_EXE_ONLY SETIND SSS_NORMAL STKXIT SYMBOLS SYM_B_FLAGS SYM_B_FLAGS SYM_B_TYPE SYM_K_STRING SYM_L_BL SYM_L_FL SYM_T_SYMBOL SYM_W_SIZE SYSSCEOSE SYSSCEONECT SYSSCEONECT	0000053C R 00000370 R 0000034F R = 00000008 0000000B 0000000A = 00000000 00000004 00000000 00000000 000000	02 WRK_L_VERB 02 WRK_M_COMMAND 02 WRK_V_COMMAND 02 WRK_V_QUOTE 02 WRK_W_FLAGS WRK_W_FLAGS2 WRK_W_IMGCHAN WRK_W_PMPTLEN _\$\$_	FFFFFFEE = 00000002 = 00000001 = 00000004 FFFFFFFEE FFFFFFEE
SYM W SIZE SYS\$CEOSE SYS\$CONNECT SYS\$DELLNM SYS\$DELLOG SYS\$FIND SYS\$OPEN SYS\$OPEN SYS\$PARSE SYS INPUT_NAME UNSTACK	******* GX ******* GX ******* GX ******* GX	02 02 02 02 02 02 02 02 02	
WRK B CMDOPT WRK B MAXPARM WRK B MINPARM WRK B PARMONT WRK B PARMSUM WRK B PARMSUM WRK B VALLEV WRK B VERBTYP WRK C LENGTH WRK G BUFFER WRK G INPBUF WRK G RESULT	OOOOOOOA R OOOOOOOA R OOOOOOOO R FFFFFFC S FFFFFFC F FFFFFC F FFFFFC S FFFFFC S FFFFFC S FFFFFC S FFFFFC S FFFFFFC S FFFFFFC S FFFFFFC S FFFFFFC S FFFFFFC S	VE	
WRK G INPBUF WRK G RESULT WRK K LENGTH WRK L CHARPTR WRK L DISALLOW WRK L ERRORRTN WRK L EXPANDPTR WRK L IMAGE WRK L MARKPTR WRK L PAROUT WRK L PROMPTETAL	FFFFFBB6 FFFFFBB6 FFFFFBB6 FFFFFBB6 FFFFFBBE FFFFFBBE FFFFFBB6 FFFFFBBE FFFFFBB		
WRK_L_PROPTR WRK_L_QUABLK WRK_L_READRTN	FFFFFFBA FFFFFFBA FFFFFFBA FFFFFBA FFFFFBA FFFFFFBA		
WRK_L_RSLEND WRK_L_RSLEND WRK_L_SAVAP WRK_L_SAVAP WRK_L_SAVSP WRK_L_SAVSP WRK_L_SIGNALRIN WRK_L_SPECRIN WRK_L_TAB_VEC	FFFFFFF FFFFFFF FFFFFFBE FFFFFFBE		

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes				
SABSS DCLSZCODE	00000000 (0.) FFFFFFFC (0.) 000005B7 (1463.)	00 (0.) 01 (1.) 02 (2.)	NOPIC USR NOPIC USR NOPIC USR	CON ABS CON REL	LCL NOSHR N LCL NOSHR LCL NOSHR	IOEXE NORD EXE RD EXE RD	NOWRT NOVEC BYTE WRT NOVEC BYTE NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization .	9	00:00:00.08	00:00:02.40
Command processing Pass 1	83 355	00:00:00.67 00:00:15.13	00:00:05.41
Symbol table sort Pass 2	157	00:00:01.61	00:00:03.90
Symbol table output	157 34	00:00:00.27	00:00:01.15
Psect synopsis output Cross-reference output	ő	00:00:00.02	00:00:00.02
Assembler run totals	640	00:00:20.93	00:01:07.75

The working set limit was 1500 pages.
76452 bytes (150 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 1153 non-local and 47 local symbols.
843 source lines were read in Pass 1, producing 18 object records in Pass 2.
62 pages of virtual memory were used to define 43 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]SYSBLDMLB.MLB;1 _\$255\$DUA28:[DCL.OBJ]DCL.MLB;1 _\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 _\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
\$255\$DUA28:[DCL.OBJ]DCL.MLB:1	14
S255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
\$255\$DUA28: [SYSLIB]STARLET.MLB:2	19
TOTALS (all libraries)	34

1417 GETS were required to define 34 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:INDIRECT/OBJ=OBJS:INDIRECT MSRCS:INDIRECT/UPDATE=(ENHS:INDIRECT)+EXECMLS/LIB+LIBS:DCL/LIB+SYS\$LIBRARY:SYSBLDMLB/LIB

0070 AH-BT13A-SE

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